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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/657,188	09/09/2003	Joseph E. Legare	Legare-PAUS0004	1617
WOLFF LAW OFFICE, PLLC 209 PROVIDENCE RD. CHAPEL HILL, NC 27514			EXAMINER	
			NGUYEN, TU MINH	
CHAFEL HILL, NC 27314			. ART UNIT	PAPER NUMBER
		·	3748	
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVER	Y MODE
31 D	DAYS	01/17/2007	PAPER	

## Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)			
	10/657,188	LEGARE, JOSEPH E.			
Office Action Summary	Examiner	Art Unit			
	Tu M. Nguyen	3748			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period w  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status		•			
Responsive to communication(s) filed on 16 Oct     This action is FINAL. 2b) ☑ This     Since this application is in condition for allowan closed in accordance with the practice under Expression 2 in the condition of the	action is non-final. ice except for formal matters, pro				
Disposition of Claims					
4) ⊠ Claim(s) 1-24 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are rejected. 7) □ Claim(s) is/are objected to. 8) ⊠ Claim(s) 1-24 are subject to restriction and/or e					
Application Papers					
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) acce Applicant may not request that any objection to the d Replacement drawing sheet(s) including the correction 11) The oath or declaration is objected to by the Examiner	epted or b) objected to by the E frawing(s) be held in abeyance. See on is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No.</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>					
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO/SB/08)  Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa	te			

## **DETAILED ACTION**

1. An Applicant's Response and Amendment filed on October 16, 2006 has been entered. Claims 1, 3, 4, 6-21, 23, and 24 have been amended. Overall, claims 1-24 are pending in this application.

## Election/Restrictions

- 2. Restriction to one of the following inventions is required under 35 U.S.C. 121:
  - I. Claims 1-13, 16-18, and 21-24, drawn to an engine air-fuel ratio control system and method with exhaust gas sensor located upstream of a catalytic converter and controlled each cylinder individually, classified in class 123, subclass 673.
  - II. Claims 14, 15, 19, and 20, drawn to an engine intake control system and method having poppet valve operating mechanism and means for varying timing of intake and exhaust poppet valves, classified in class 123, subclass 90.15.
- 3. The inventions are distinct, each from the other because of the following reasons:

Inventions of Group I and Group II are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case the different inventions have different functions. In Group I, the function is to adjust an engine operating parameter such as a fuel injection amount for each individual cylinder based on a signal provided by an exhaust gas sensor located upstream of a catalytic converter. In

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Group II, the function is to adjust the timing of engine intake and exhaust poppet valves based on parameters (load, rotational speed) of the engine. Thus, the functions of the inventions of Group I and Group II are clearly different.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

4. A telephone call was made to Kevin A. Wolff on January 8, 2007 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

## Communication

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Tu Nguyen whose telephone number is (571) 272-4862.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Thomas E. Denion, can be reached on (571) 272-4859. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

**TMN** 

January 8, 2007

Tu M. Nguyen

Tu M. Nguyen

**Primary Examiner** 

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